

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: IRiS

Report Number: P1294204

Luminaire Tested: P3A09R55W2N902750DE010 E3DLP1LI_5000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1294204
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-33)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A09R55W2N902750DE010 E3DLP1LI_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R55 optic, 5000K CCT AND, 90CRI ,
E3DLP1LI TRIM
Light Source: -
Ballast/Driver: -

Summary

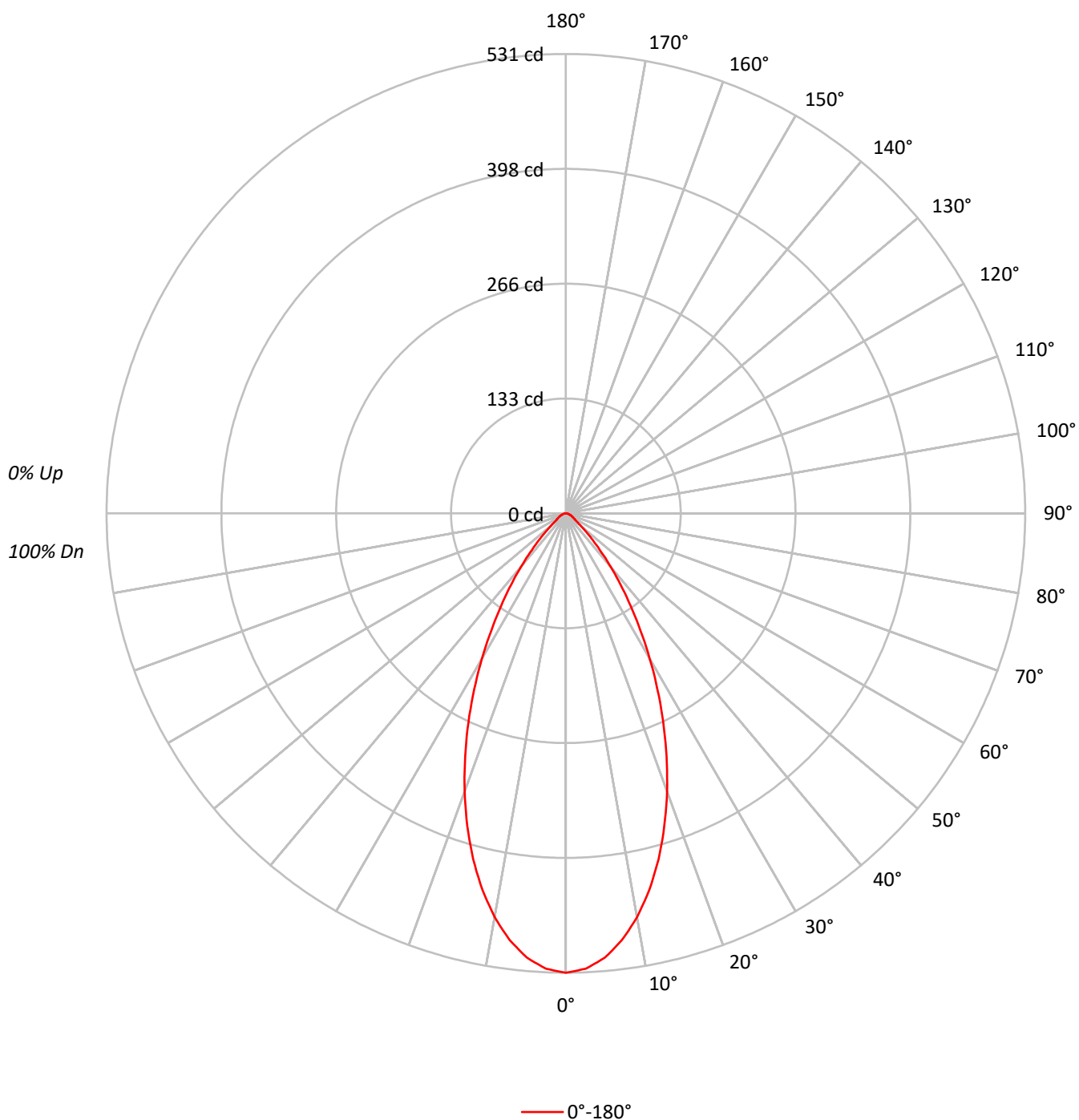
Lumens per Lamp: N/A
Luminaire Lumens: 428.0 lumens
Efficiency: N/A
Efficacy: 47.6 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.8
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20					
RC	80					70					50					30					10					0
RW	70	50	30	10		70	50	30	10		50	30	10		50	30	10		50	30	10		0			
RCR																										
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102		100			
1	113	110	107	105		110	108	105	103		104	102	100		100	98	97		97	95	94		92			
2	107	102	97	94		105	100	96	93		97	93	91		94	91	89		91	89	87		85			
3	101	94	89	85		99	93	88	84		90	86	83		88	84	81		85	83	80		79			
4	96	88	82	77		94	87	81	77		84	80	76		82	78	75		80	77	74		73			
5	91	82	76	71		89	81	75	71		79	74	70		77	73	70		76	72	69		67			
6	86	77	70	66		84	76	70	66		74	69	65		73	68	65		72	68	64		63			
7	82	72	66	61		80	71	65	61		70	65	61		69	64	60		68	63	60		59			
8	78	68	62	57		76	67	61	57		66	61	57		65	60	57		64	60	56		55			
9	74	64	58	54		73	63	58	54		62	57	53		62	57	53		61	56	53		52			
10	70	60	55	51		69	60	54	50		59	54	50		58	54	50		58	53	50		49			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	116438
5°	113515
10°	105520
15°	93962
20°	79854
25°	64455
30°	49121
35°	34934
40°	23072
45°	13676
50°	8017
55°	4932
60°	4386
65°	3943
70°	3398
75°	2965
80°	3031
85°	3019

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 13676 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.9	11.2
10°-20°	114.8	26.8
20°-30°	121.5	28.4
30°-40°	82.1	19.2
40°-50°	36.0	8.4
50°-60°	12.9	3.0
60°-70°	7.6	1.8
70°-80°	3.9	0.9
80°-90°	1.3	0.3
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	284.2	66.4
0°-40°	366.3	85.6
0°-60°	415.2	97.0
0°-90°	428.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	428.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	531	
5°	516	48
15°	414	115
25°	266	122
35°	130	82
45°	44	36
55°	13	13
65°	8	8
75°	4	4
85°	1	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	531.0
2.5°	526.8
5°	515.7
7.5°	497.4
10°	473.9
12.5°	445.7
15°	413.9
17.5°	378.7
20°	342.2
22.5°	304.0
25°	266.4
27.5°	229.3
30°	194.0
32.5°	160.5
35°	130.5
37.5°	103.5
40°	80.6
42.5°	60.6
45°	44.1
47.5°	32.3
50°	23.5
52.5°	16.5
55°	12.9
57.5°	11.8
60°	10.0
62.5°	8.8
65°	7.6
67.5°	6.5
70°	5.3
72.5°	4.7
75°	3.5
77.5°	2.9
80°	2.4
82.5°	1.8
85°	1.2
87.5°	0.6
90°	0.0

(END OF REPORT)